



May 10, 1999

Mr. Paul W. Dinkel
Texaco Global Gas & Power
P.O. Box 7877
Burbank, CA 91510-7877

Dear Mr. Dinkel,

SUNRISE COGENERATION AND POWER PROJECT DATA REQUESTS

Pursuant to Title 20, California Code of Regulations, section 1716, the California Energy Commission staff requests the information specified in the enclosed data requests. The information requested is necessary to: 1) more fully understand the project; 2) assess whether the facility will be constructed and operated in compliance with applicable regulations; 3) assess whether the project will result in significant environmental impacts; 4) assess whether the facilities will be constructed and operated in a safe, efficient and reliable manner; and 5) assess project alternatives and potential mitigation measures.

Data requests are being made in the areas of biological resources, cultural resources, project overview, soils and water resources, traffic and circulation, visual resources and waste management. Written responses to the enclosed data requests are due to the Energy Commission staff on or before June 15, 1999, or at such later date as may be mutually agreed.

If you are unable to provide the information requested, need additional time to provide the information or object to providing it, you must, within 15 days of receipt of this notice, send a written notice to both Commissioner Michal C. Moore, Presiding Member of the Committee for the Sunrise Cogeneration and Power Project proceeding, and me. The notification must contain the reasons for not providing the information, the need for additional time and the grounds for any objections (see Title 20, California Code of Regulations section 1716 (e)).

A publicly noticed workshop is scheduled for May 18, 1999, at 10 a.m., California Energy Commission, 1516 9th Street, Sacramento, California, to discuss and clarify these data requests. Staff will be available to answer questions regarding the data requests and the level of detail required to answer the requests satisfactorily. If you have any questions regarding the enclosed data requests, please call me at (916) 654-4242.

Sincerely,

Kristina C. Bergquist
Siting Project Manager

Enclosure

cc: Sunrise Project Proof of Service List
Agency List
KCB:Imu

**SUNRISE COGENERATION AND POWER PROJECT
DATA REQUESTS
(98-AFC-4)**

<u>Table of Contents</u>	<u>Page No.</u>
Technical Area: Biological Resources	1
Technical Area: Cultural Resources	2
Technical Area: Project Overview	4
Technical Area: Soil and Water Resources.....	5
Technical Area: Traffic and Transportation	6
Technical Area: Visual Resources	7
Technical Area: Waste Management	9

**SUNRISE COGENERATION AND POWER PROJECT
DATA REQUESTS
(98-AFC-4)**

Technical Area: Biological Resources

Author: Rick York

ISSUE: The applicant will need to provide a final Biological Resources Mitigation Implementation and Monitoring Plan (BRMIMP) prior to the start of any ground disturbance activities associated with the construction of the power plant and any appurtenant facilities.

85. Please provide a draft BRMIMP using the outline provided in Data Response #16.

ISSUE: Staff needs to quantify the project's indirect effects on sensitive species habitat.

86. Please provide an estimate of the number of acres that will be impacted by the creation of any new dirt roads, connecting steam lines, and injection wells that will be associated with the creation of the approximately 700 new oil wells that are expected to be constructed that were identified during the 4/26/99 teleconference between Energy Commission staff, Sunrise and its consultants, and CURE. Please also provide a discussion of the analysis used to arrive at the acreage estimates.

ISSUE: Data Response #65 in Data Responses, Set 1A, dated April 15, 1999 indicates that the capacity of the TNAP facility treating the produced water will be expanded from 125,000 barrels per day to 275,000 barrels per day.

87. Please describe the anticipated acreage of temporary and permanent habitat disturbance associated with construction and operation of the expanded TCI produced water treatment facility.

SUNRISE COGENERATION AND POWER PROJECT

DATA REQUESTS

(98-AFC-4)

Technical Area: Cultural Resources

Author: Dorothy Torres

ISSUE: The proposed Valley Acres Substation Site and portions of the transmission lines (from the substation to Mile Post (MP)15) appear to directly impact identified cultural resources. Staff requires additional information concerning this site to evaluate the impact of the project on cultural resources.

88. Please provide a map which illustrates and clarifies the boundaries of CA-KER116, CA-KER 809 and any previously identified sites at this location. On the same map please identify any newly discovered sites and indicate the boundaries of the new or expanded sites. In addition, please explain why the boundaries of the site identified on the map (Confidential Figure 23-4) appear to be much larger than either of these previously identified sites. Please explain the relationship between CA-KER-116, CA-KER-809, and any newly discovered materials or sites.

ISSUE: Information concerning the TCI Main Utility Corridor and other project facilities is necessary for staff to complete its analysis. To make all aspects of the project clear to Staff, please provide the following:

89. On a 7.5-minute quad topographic map, please include and identify the features requested below. Please also include a legend on this map to clarify the various features indicated.
- Please indicate the location of the waste water injection wells.
 - Please include and identify all proposed project sites and proposed linear facilities routes.
 - Please include and identify all alternate project sites and all alternate linear facilities routes. Please include alternate transmission line routes, B, D, E, F & G.
 - Please include and identify all cultural resources sites and isolates identified either during literature searches or cultural resources surveys for the proposed site and routes as well as the alternative sites and routes.

ISSUE: To complete an analysis of the linear facilities, staff must address the significance of cultural resources located along the entire transmission line route. Neither Figure 5 in the "Confidential Cultural Resources..." appendix to the AFC or Figure 23-4 in "Confidential Information for Data Responses 23 & 24", indicate that the portion of the transmission line (2 lines) from Valley Acres Substation to Mile Post 15

SUNRISE COGENERATION AND POWER PROJECT

DATA REQUESTS

(98-AFC-4)

(MP15) were surveyed to determine the presence of cultural resources. The applicant stated in the April 22nd workshop that this area was not surveyed.

90. Please conduct a survey from 500 feet of the centerline on each side of each transmission line.

Using the survey data requested above, on the 7.5-minute quad topographic map, please include the transmission lines leading from the proposed Valley Acres Substation to MP15 and identify cultural resources sites and isolates. Also indicate the boundaries of the survey.

ISSUE: In the workshop on 4/28/1999, staff requested that a literature search be completed for the area on either side of the TCI Main Utility Corridor. Sunrise representatives responded that the information was likely to be included in the EIS completed for the U.S. Bureau of Land Management (BLM) permit mentioned in Data Response 20. The applicant agreed to provide a copy of the BLM Environmental Impact Statement (EIS) to the Energy Commission staff.

91. Please provide a copy of the BLM EIS for the Caliente Resource Management Plan. If the Final EIS does not contain literature search information concerning the area within one mile of the TCI Main Utility Corridor, please conduct a literature search and provide the results. On the maps requested in Data Request 89, please identify any cultural resources identified in the literature search.

SUNRISE COGENERATION AND POWER PROJECT DATA REQUESTS (98-AFC-4)

Technical Area: Project Overview

Author: Kristina Bergquist

ISSUE: For purposes of evaluating the indirect and cumulative impacts of the Sunrise Cogeneration and Power Project (Sunrise), staff requires additional information on the 20-inch diameter gas pipeline interconnecting with the KRGTC\MPC natural gas pipeline, any wells that will be served by the project, and steam generators that will be displaced by the project and the wells they will serve

92. Data Response #41 was not considered satisfactory because it did not provide the width of the temporary and permanent right-of-way for the proposed 20-inch diameter natural gas pipeline. It is suggested that the grants of easement obtained to traverse non-Texaco property be used to determine the width of the right of way for the 12" diameter pipeline (staff understands that the new 20-inch diameter gas pipeline interconnecting the KRGTC\MPC natural gas pipeline will replace the existing 12" diameter pipeline. If this is not correct, please provide a detailed physical description of what is planned and construction methodology). Please specify the width and acreage of the temporary and permanent pipeline right of way.
93. Using the calculations performed for Data Request #92, specify the additional width and acreage of the temporary construction area/right-of-way for the 10,550 feet of new 20-inch diameter gas pipeline interconnecting with the KRGTC\MPC natural gas pipeline.
94. Please provide us with the date scheduled for the completion of the construction of the remaining portion of the new 20-inch diameter natural gas pipeline.
95. Please explain whether the TCI Main Utility Corridor and Sunrise can be supplied sufficiently with natural gas using the existing 12" diameter pipeline.
96. Please explain the use of the area described in Data Response 41c.

ISSUE: During staff's April 26, 1999 teleconference with the applicant and its consultants, Texaco California, Inc.(TCI), and CURE, Mr. William H. Dailey, TCI, referred to Data Responses, Set 1A, Attachment G.

97. Please verify that the following statement is correct: This map, Attachment G, shows a ¾-mile radius circle, indicating the areal effect of the project steam. Mr. Dailey stated that all 120,00 barrels of steam per day produced by the project would serve oil wells within this circle. Since each well will use 60 barrels of steam per day, steam will be provided to 2000 oil wells. Of these, it is estimated that 65% or 1300 oil wells will be existing and 35% or 700 oil wells will be new. This buildout is projected to be completed by 2001. He also stated that after 2001, steam demand may rise to 135,000 barrels. This would last for five to six years, and then decrease.

**SUNRISE COGENERATION AND POWER PROJECT
DATA REQUESTS
(98-AFC-4)**

Technical Area: Soil and Water Resources

Author: Joe O'Hagan

ISSUE: At the April 22, 1999 Data Response Workshop, during the discussion of data response No. 64, the applicant indicated that when an agreement between TCI and Valley Waste has been reached, a copy of the agreement would be provided to staff.

98. Please provide a copy of those conditions in the agreement between TCI and Valley Waste, Inc. regarding the types, volume, quality and, if necessary, any monitoring requirements for wastewater disposal.

SUNRISE COGENERATION AND POWER PROJECT DATA REQUESTS (98-AFC-4)

Technical Area: Traffic and Transportation

Author: David Flores

ISSUE: Staff needs to determine the effects and impacts of the proposed linear facilities on local and state roadway systems.

99. Please identify the required encroachment permits that will be needed from local and state agencies.

ISSUE: Staff needs to determine the effects of project construction activities on traffic.

100. Please identify the effects on local and state roadways with the use of construction laydown areas outside of designated right-of-ways.
101. Discuss the effects on traffic of required netting or closure of the State highway 33 for overhead transmission line installation.
102. Discuss the effects on traffic of road right-of-way areas to be disturbed during the construction phase.

ISSUE: Caltrans has advised staff of concerns of traffic impacts at the aforementioned intersection per Caltrans letters of response, dated January 14, 1999 and March 10, 1999 to the AFC.

103. Please provide an analysis of traffic impacts during construction at the intersection of SR 119 and Midway Road.

SUNRISE COGENERATION AND POWER PROJECT DATA REQUESTS (98-AFC-4)

Technical Area: Visual Resources

Author: Gary Walker

ISSUE: At the April 22, 1999 Data Response Workshop, Energy Commission staff noted that Sheet 2 of the map of existing transmission lines within one mile of the proposed transmission line route, provided in Data Response #73, showed the 70kV Taft-Elk Hills line as ending adjacent to the proposed route, before reaching Taft.

104. Please provide a revised version of Sheet 2 showing all of the Taft-Elk Hills transmission line within one mile of the proposed transmission line route.

ISSUE: At the April 22, 1999 Data Response Workshop, Energy Commission staff noted that Data Response #75 did not provide a specific description of the visual setting in the vicinity of where the proposed transmission line route crosses State Route 119.

105. Please provide a description of the visual setting in the immediate vicinity of where the proposed transmission line route crosses State Route 119. Please include photographs of the immediate vicinity.

SUNRISE COGENERATION AND POWER PROJECT DATA REQUESTS (98-AFC-4)

Technical Area: Waste Management

Author: Mike Ringer

ISSUE: Steam produced by the Sunrise project will facilitate expanded oil production. Staff needs to determine if there will be indirect impacts associated with waste generation from the construction and operation of additional wells, piping, field tankage, and ancillary equipment.

106. Please list the types of hazardous and nonhazardous solid wastes which may result from the expanded production and include estimates of the amounts which may be generated, and describe how the wastes will be managed.

ISSUE: Data Response #66, in Set 1A, indicates that 63,644 barrels per day of softener regeneration brine is sent to Valley Waste.

107. Please provide an estimate of the amount of softener regeneration brine and any other waste that will be generated by an expanded treatment facility.